

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081821\  
 Data File : VD070146.D  
 Acq On : 19 Aug 2021 01:54  
 Operator : VA/SY  
 Sample : M3435-29  
 Misc : 2.94G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SWCS-22-0003

Quant Time: Aug 19 07:37:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 466726   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 899608   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 806667   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 272361   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 314535   | 57.298   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 114.600% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 303912   | 52.290   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.580% |
| 50) Toluene-d8              | 10.338 | 98    | 1131964  | 50.074   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.140% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 306837   | 41.210   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 82.420%  |

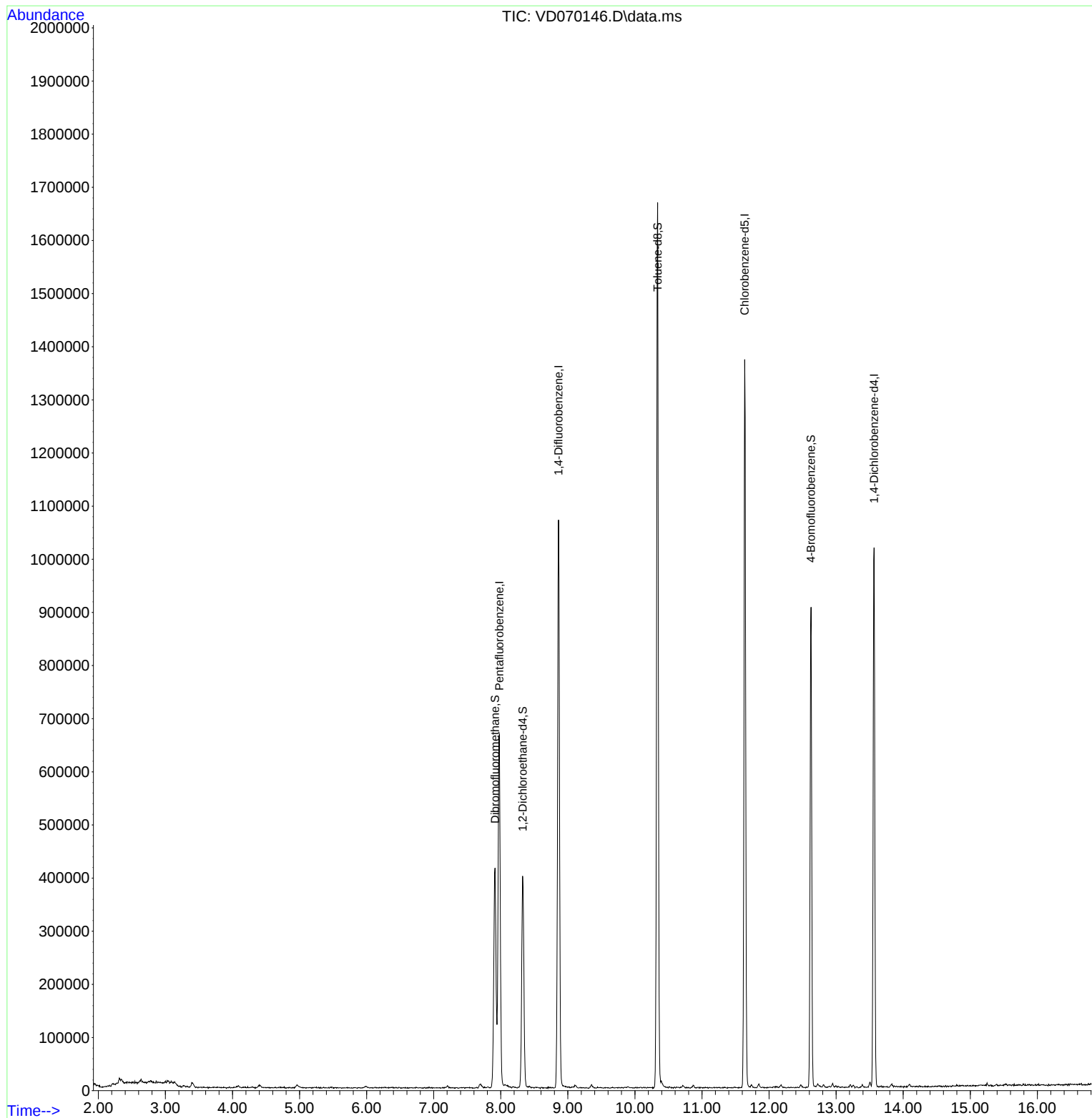
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

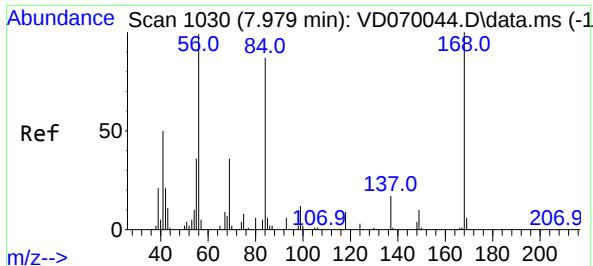
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M3435-29  
Misc : 2.94G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-22-0003

Quant Time: Aug 19 07:37:36 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 14 02:33:51 2021  
Response via : Initial Calibration

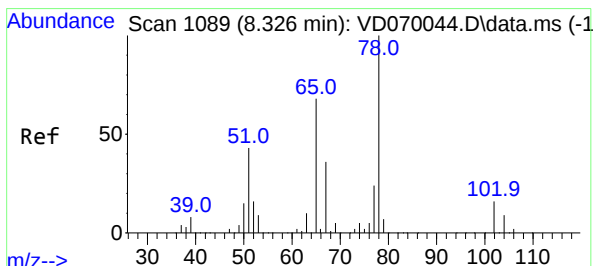
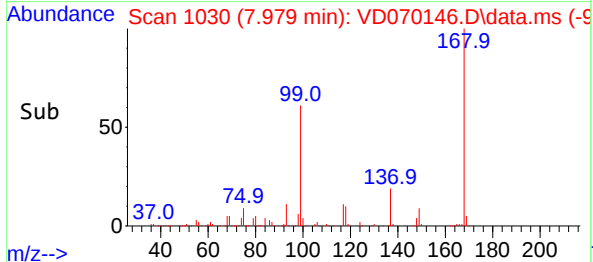
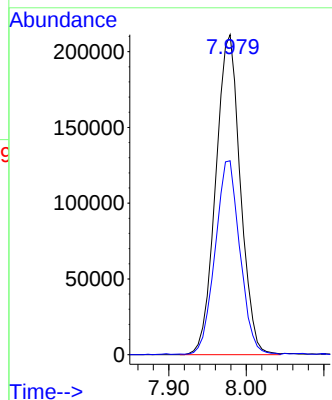
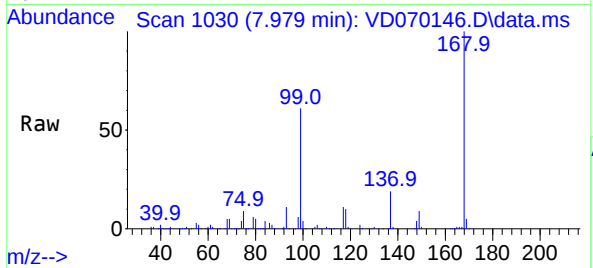




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: VD070146.D  
Acq: 19 Aug 2021 01:54

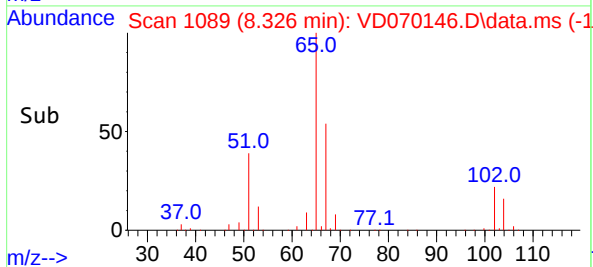
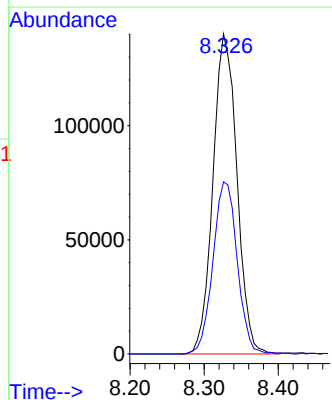
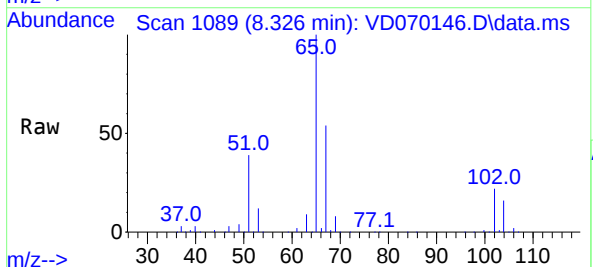
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-22-0003

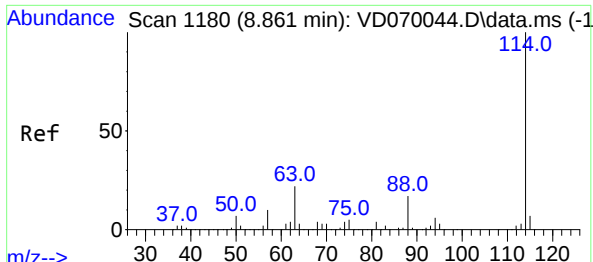
Tgt Ion:168 Resp: 466726  
Ion Ratio Lower Upper  
168 100  
99 60.5 50.3 75.5



#33  
1,2-Dichloroethane-d4  
Concen: 57.298 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070146.D  
Acq: 19 Aug 2021 01:54

Tgt Ion: 65 Resp: 314535  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 107.8



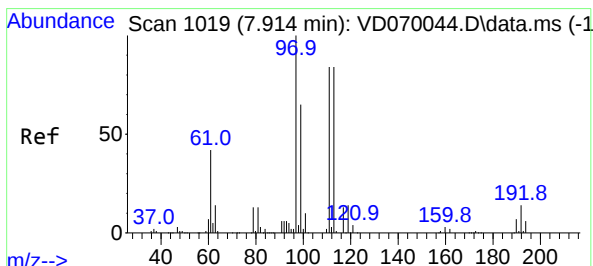
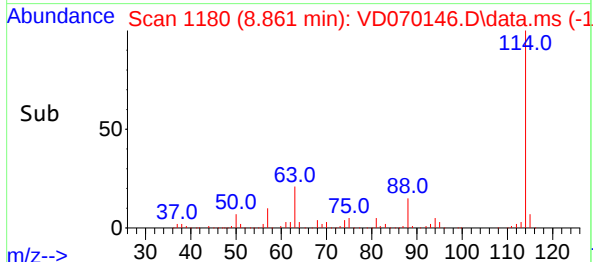
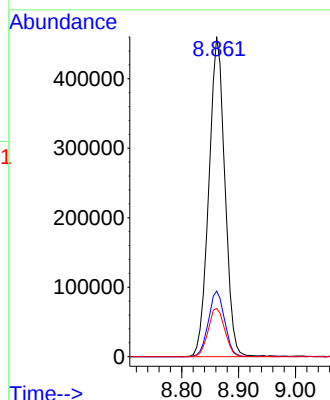
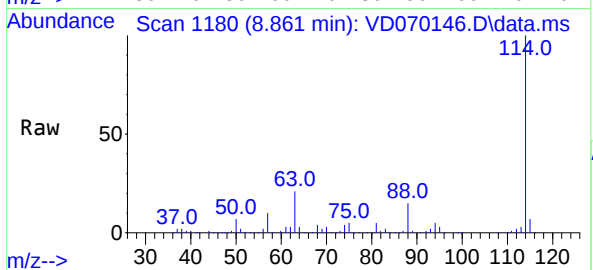


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070146.D  
Acq: 19 Aug 2021 01:54

Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-22-0003

Tgt Ion:114 Resp: 899608

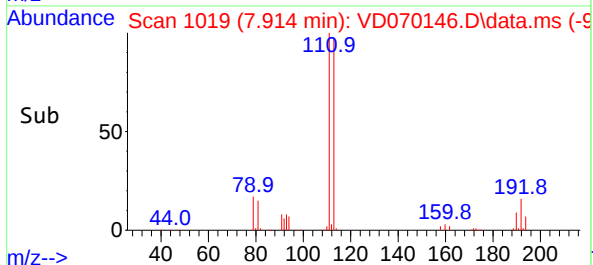
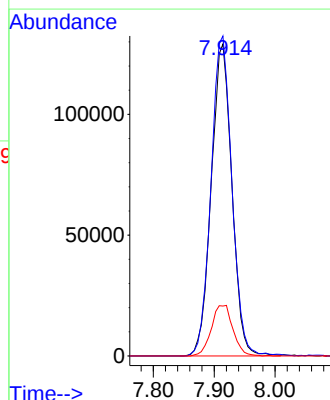
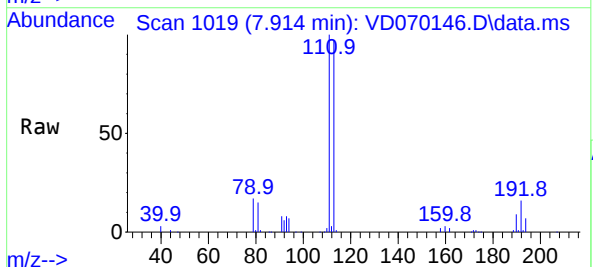
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.5  | 0.0   | 43.6  |
| 88  | 15.1  | 0.0   | 33.4  |

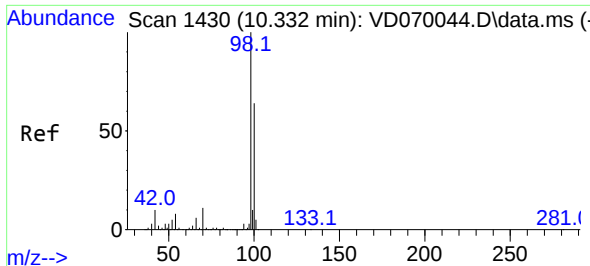


#35  
Dibromofluoromethane  
Concen: 52.290 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD070146.D  
Acq: 19 Aug 2021 01:54

Tgt Ion:113 Resp: 303912

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.7 | 81.8  | 122.6 |
| 192 | 17.0  | 13.2  | 19.8  |

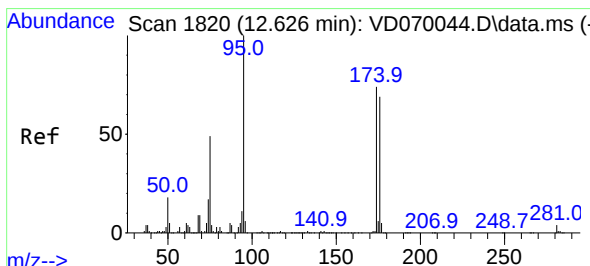
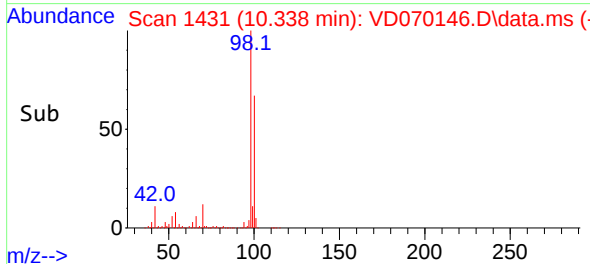
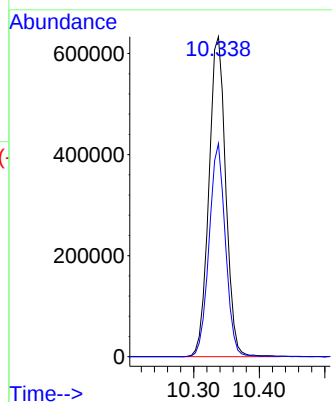
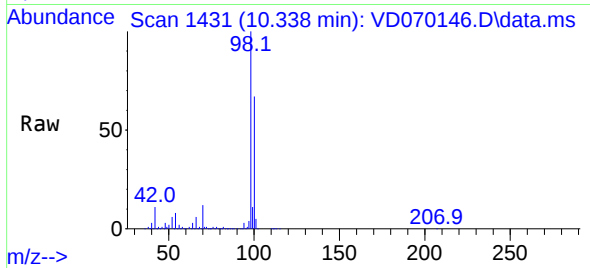




#50  
Toluene-d8  
Concen: 50.074 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: VD070146.D  
Acq: 19 Aug 2021 01:54

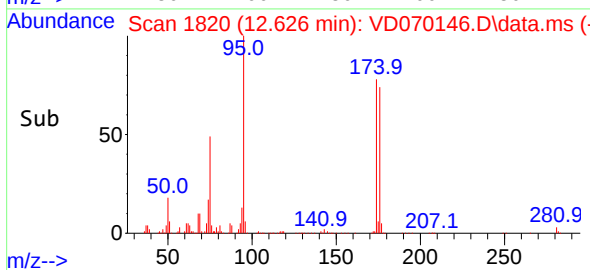
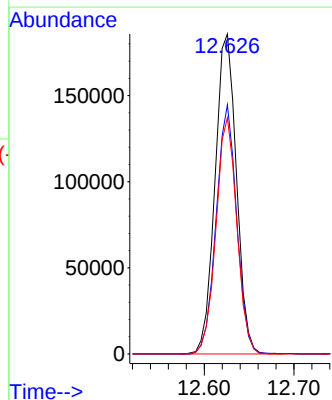
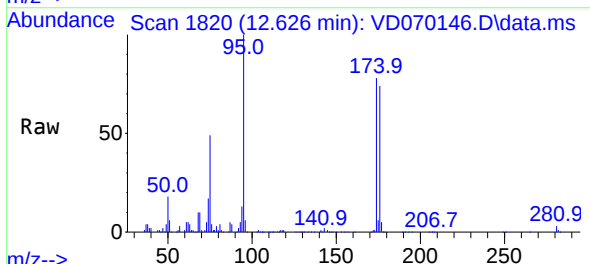
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-22-0003

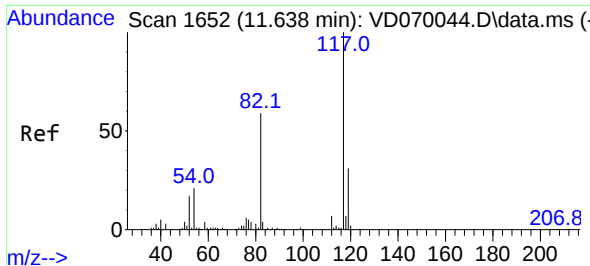
Tgt Ion: 98 Resp: 1131964  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 41.210 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD070146.D  
Acq: 19 Aug 2021 01:54

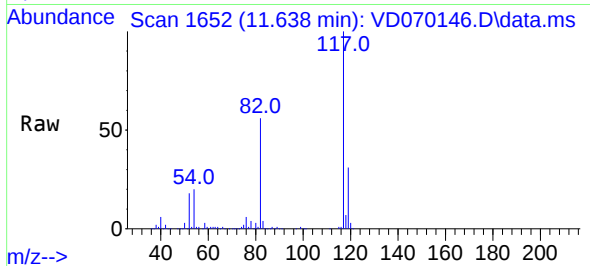
Tgt Ion: 95 Resp: 306837  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 141.6  
176 71.7 0.0 138.2



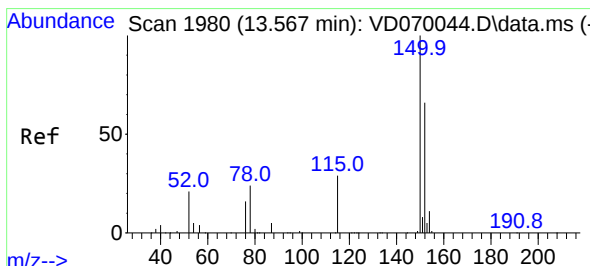
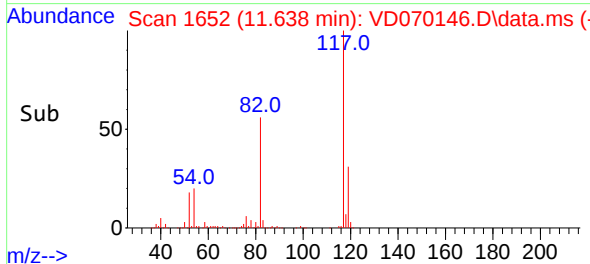
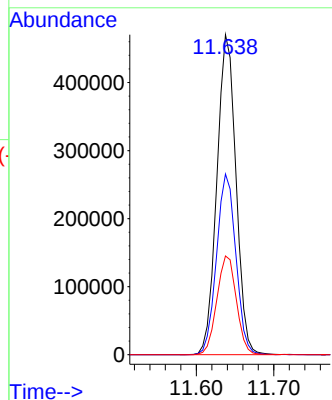


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070146.D  
Acq: 19 Aug 2021 01:54

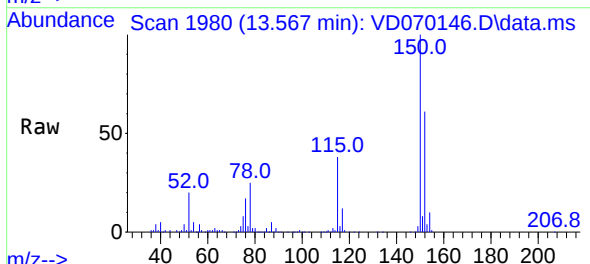
Instrument :  
MSVOA\_D  
ClientSampleId :  
SWCS-22-0003



Tgt Ion:117 Resp: 806667  
Ion Ratio Lower Upper  
117 100  
82 56.5 47.5 71.3  
119 30.9 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD070146.D  
Acq: 19 Aug 2021 01:54



Tgt Ion:152 Resp: 272361  
Ion Ratio Lower Upper  
152 100  
115 61.9 31.2 93.6  
150 159.6 0.0 352.0

